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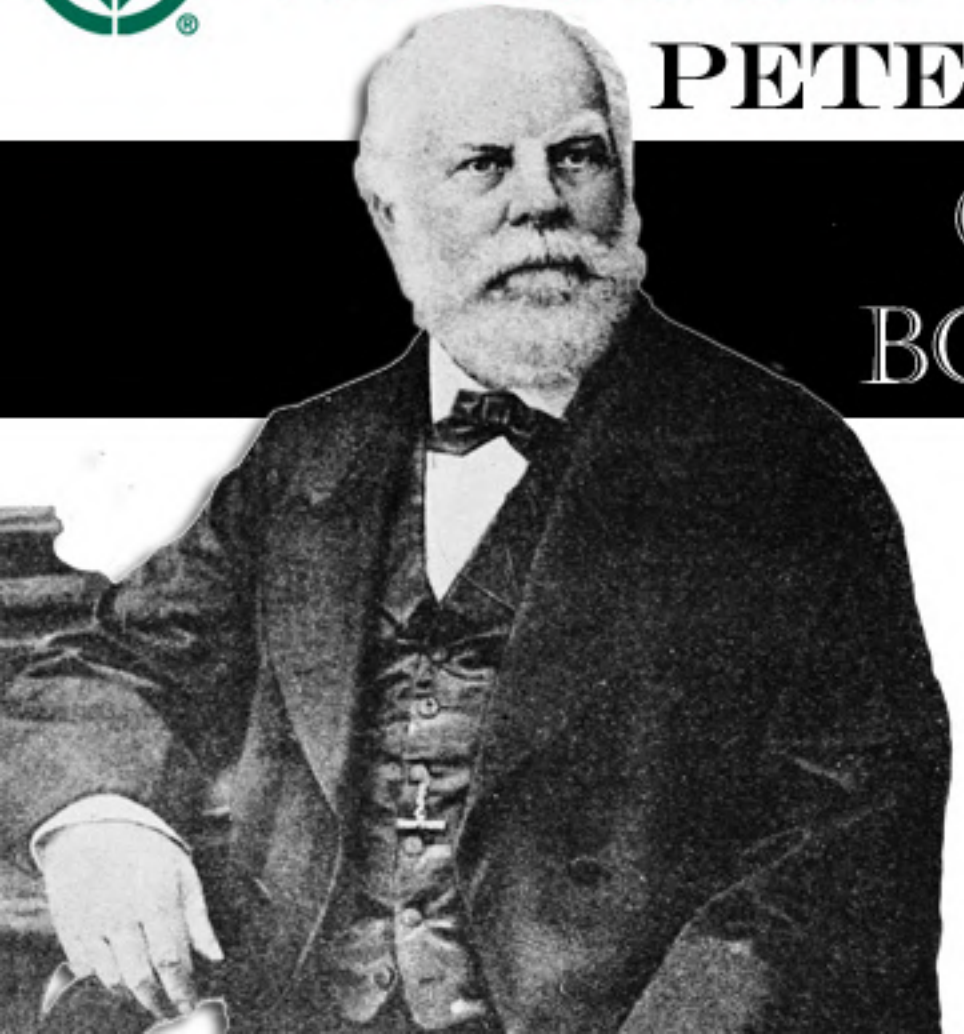

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Cuscuta cephalanthi

1842

flowers whitish, cylindric, soon
umbelate generally 3–4 parted. Every where rare town
seldom 5. — ~~may~~ not be in August & September
called tenuiflora the first one and here
the only one in beginning of
August (perhaps also a
C. Polygonorum)

5394

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Cassia Conf.

1842

In rich woods, dense thickets on Meiers Creek north of
creeping over every thing in its
way. — Sept 5th

flowers white .. stems and foliage
branches deep yellow, Bark
branches of inflorescence and those twigs round and
attached to other parts green

Inflorescence common paniculate,
calyx segments very acute.
connate the
stamens and styles as long as crowned
segments of Corolla —
flowers mostly 5 petaled —

Rudiments of Corolla on or
around the capsule, not at its
base

Stems easily turning black in drying
and thereby distinguished from
the branches & stems of C. vulgivaga
which remain yellowish &
turn finely slight brown

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Cuscuta

North Carolina and Boston — M. A. Curtis — 1842

both specimens belong to the same species, the one on other on is more advanced than the between the two; — but there is no difference

They resemble much C. umbrosa (Beyr.) but the flowers are considerably smaller, and frequently tetramerous.

Calyx-segments oblong obtuse, apparently (dried specimens) not closely adpressed but a little distant from the tube of corolla, the exterior ones are somewhat carinate or glandular in the middle, the interior ones smooth. All are as long or a little longer than the campanulate tube, which is shorter than the linear-oblong or ovate-oblong patulous segments of the corolla; filaments subulate shorter than limb; scales large, incurved, ovary small with a stylopodium, styles short, thick — fruit. —

A variety of umbrosa ?

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Aster Tradescanti L

" viminens Lam

Spec III, 5e 35e

Virginia

H. Salzm 1825

Cuscuta vulgivaga

1842

At Meiers Creek, on
Lauras Benzoin and other
plants, just beginning to
flower on Sept 7th therefore
apparently one of the latest.
Vines and branches of yellow
dusp yellow, calyx greenish
Corolla greenish white
ovary slightly crowned
with a stylopodium -
In the flower in full bloom
stamens and pistill as long
or rather a little shorter than
Corolla; after flowering
style elongates

fruit oval crowned
with the stylopod -
flowers large

In Sinkholes on Ambus etc.

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Cassiola Americana Fl. pedunculatis

C. caule aphyllo volubili repente Gron. virg. 18

C. inter majores et minores media, filamentis longis et floribus late super arbores et campos se extendens

Sloan Jam. 85. hist. 1. p. 207 t. 128. f. 4

H.B. in Virginia

Lin Spec. ed 1 p. 124.

"Cuscuta aquatica caulibus aureis frutiribus se longe implicans

Clayton's note in Gronov. virg. ed 2. p. 22 "

C. floribus pedunculatis ——— flores aggregati, V. cor. quinquef. d. obtgl. 2 f. G. Semes erecti, corollam leviter superantes; stigm. capitat.

Jacquin stirpium amer. p. 24

C. fl. umbellat. umbellae paucae, in 3 minores divisae 3 — 4 floras. Flor. pedunc. ped. brevissimi Cor. carinis oratis acutis erectis. Styli 2 capillares; stigm. simplicia.

Affinitas plantis herbaceis plerumque juxta Litton maritima Jamaicae.

Swarz obs. p. 54

Extr. fm Hooker fl. bor. amer 2. p. 77

1. Cuscuta americana ? fl. pedicellat. globosae pauciumbellatis 5 fidis, filamentis subulatis corollae carinis brevioribus infra basin squamam fimbriatam, stylis gracilibus, exertis (C. arvensis Beyrich)

2. C. umbrosa Beyrich (mss) fl. sessilibus paucumbellatis 5 fidis, filamentis subulatis corollae carinis longioribus, infra basin

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squama fimbriata, stylis brevibus rarius inclusis. ——

Dr. Gray's Letter of June 17th 1862

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Cuscuta Saururii

var calyce majore

Cuscuta Saururi ? Western New York

Dr Gray

Nearly identical with the St Louis plant, flower same size — But the segments are fully the length of the tube of the corolla and more equal than in our plant, without a carina; scales hardly united at base, and in that respect different from the Georgia plant. Divisions of the Calyx Ovate oblong, obtuse

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Cuscuta Cephalanthi var. tetrameris ramosa umbellata pisciculis floribus V-4 partitis majusculis, majoribus squamis sub inflexis, capsulis stylis ovarium superantibus.

This variety has been collected by Mr John Carey on Urtica in Connecticut. It agrees perfectly well with C. cephalanthi, but is larger in all parts, and the scales at the base of the stamens appear to be a little inflexed and bent over the ovary; but in dry specimens these minute parts are difficult to distinguish and even if further examination of living plants should prove the direction of the scales to be different from those of the main species, this would not be of sufficient importance to constitute it a different species, as little as the 3 to four parted flower, which is stated above is frequently found even in those Cuscutas, which are generally 5 parted.

Might be called C. Urticae.

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In the Conspectus ~~2d~~ 3rd ~~a~~ 3. C. Epithymum Lin calyx is segments
& corolla
4. C. arabica ~~acuminatus~~, tube corollae ~~supra~~ brevioribus

3. C. Epithymum Lin segments of calyx and Corolla accuminate,
shorter than the tube of the corolla Europe

4 C. arabica Fresen segments of calyx & Corolla acute
rather longer than the tube of the corolla Mt. Sinai

5 C. Epilinum Weihe
and other Numbers as that
C. Polygon the last is No 14.

12. C. carinata calyx carinate, segments of corolla obtuse half as long as
the tube

13. C. Sauveri segments of corolla obtuse, equal to the tube.

Cap. media Turcia

1. Monog
2. eur
3. Epith
4 arab
5. Epili
6 planiff.
7. Spil
8. Cephl — v. tenuiflora
9. Coryl — v. incurva
10. vulgivaga — v. ~~campestris~~ arvensis
11 Sauv. — v. umbrosa
12 pedag ~~v. Cephalotes~~
13 verno
14 polyg — v. chlorocarpa

1. Lepidanche comp. — 5. squarrosa
2. — fruticosa — v. depressa

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St Louis Dec 30th 1841

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After looking through Prof Shorts Collection of Cuscuta, I find the following additions to make

Cuscuta Cephalanthi so far only near St Louis, but after repeated examination of many flowers, I must consider it generally tetramerous

Cuscuta carinata α. laxiflora Pittsburg Pa. (Dr Short) and Georgia (Dr Boykin)

Cuscuta Saururi on Polygonum Kentucky (Dr Short) and one of the specimens from C. Pittsburg

C. compacta is a pentamerous

Zusätze für Gray

C. Cephalanthi mostly 4 parted, (not 5 parted)

C. Coryli Hazel thickets in Prairies and Barrens, Illinois Missouri

C. carinata var. δ. appears to be the southern and western form (strike out: a) add: Western Pennsylvania On Decodon (Dr A Gray) Georgia (Dr Short) strike out (Dr Carey)

add. (Dr Boykin, = herb. Short) at the end

Strike out entirely: The specimen from Georgia etc to: refer it to this species. — ~~and put on it plane: A specimen from Georgia (from Dr Boykin~~

C. Saururi add: to the locality: This fall, Septbr. 1841: Subsequently I had occasion to examine specimens from Decodon (Dr A. Gray) ~~New York~~ Kentucky, a Polygonum (Dr Short), and ~~from~~ Georgia (J. Carey).

(C. carinata a Decodon and a specimen from Dr Short (Pittsburg) to have larger flowers and ~~from~~ to ~~to~~ may be considered intermediate forms between C. carinata & Saururi, from the carinata and the Georgia Saururi is a transition form from the other side

Carey's Specimen from Georgia and Gray from Decodon New York = Decodon No. 2. only to Saururi

Saururi & Carinata the same?

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Cuscuta vulgivaga var.

Kentucky, on Polygonum, Dr Short

Caule ramosa, floribus 5 partitis subpedunculatis, glomeratis glomerulis spicatis; tubo corollae campanulato calycis segmenta ovata obtusa, crenulata, subcarinata et carinias limbi obtusas laeviusculae crenulatas, pallidis punctatas subaequante; staminibus limbum subaequantibus; squamis fimbriatis convergentibus; stylis ovario stylopodio coronatum subaequantibus.

This Cuscuta is apparently intermediate between vulgivaga carinata and Sauvuri, and is certainly a very remarkable form.

With carinata it has in common the carina of the sepals and the dots of the corolla, and perhaps the smaller, though convergent scales.

With Sauvuri it agrees the inflorescence, shape of tube proportion of calyx and lobes of corolla with the tube;

Should it be the intermediate form of both, and both be only varieties of one of the same Species? Hardly possible that, but to which does this one belong? Probably more to Sauvuri — notwithstanding the carina

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Glaucium luteum Scop. Sm. — Spr II, 527
Chelidonium Glaucium L. — A II, 302
Gl. phoeniceum Sm. var.

Europa med

H. D. Fr. 1824

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Cuscuta Saurii is C. vulgivaga

On ——— ? Georgia Herb. Carey New York

In every respect identical with my St Louis plant; flower and fruit same size etc. The only difference appears to be that the flowers are a little more pedunculate.

The two outward sepals appear to be somewhat carinate, and the very large rounded scales are connate with one another at their base. Inflorescence very scaly

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Crescentia cuneata

on Dewdrop Victoria Plateau — Western New York
D. Grey

Caule humili, ramoso, floribus breviter pedunculatis,
glomeratis 5 partitis; tubo corollae campanulato
calycis segmenta carnata, subrotunda obtusa
brevissime mucronulata et carnea limbi obtusa
patentia v. reflexa superante. Staminibus
limbum aequantibus; filamentis carnosis
subconnatis, stylis ovario globoso
truncatum aequantibus; — capsula magna
rudimento corollae connata obtecta.

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Asclepias viridiflora

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Cuscuta carinata

In Leersia, Vermont

Herb. Cary, N. York

Caule ramoso, floribus subumbellatis glomeratis
sub 5-partitis; tubo corollae campanulato
calycis segmenta ovata obtusa minutissime
crenulata carinulata et carinas ciliolatas
obtusas patentes (demum reflexas) paulo
superante, staminibus limbum subaequantibus, exsertis; squamis obovatis
laciniis subadpressis; stylis ovarium
globosum stylopodio ornatum, aequantibus — capsula ——

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carinata

Cuscuta Solidaginis

Caule humili ramoso floribus
subsessilibus, glomeratis, glome-
rulis spiratis, 5 partitis,
tubo corollae globoso (post anthe-
ore contracto) calycis segmentis carinata levissime crenulatis
subrotunda obtusa et laevibus
limbi obtusas patentes s. reflexas,
paulo superante; squamis
limbum aequantibus, ex sectis,
squamis laciniatis subincanis,
basi inter se connatis
stylis ovarium ~~[illegible]~~ stylopodio
coronatum superantibus
capsula .....

In Solidagine invenit
John Carey — New Hampshire

This remarkable species bears
a great resemblance to
C. Cephalanthi, to which it is
allied by the obtuse lobes of
calyx and corolla, which are
shorter than the tube.
But the short globular tube and
carinated calyx readily
distinguish it. — Only one
other species, the C. Coryli
is known to me, which has
this appearance of the calyx;
from this it is easily known
by the 5 parted flowers, the
obtuse calyx & the large scales,

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